

2005 Annual NASA Occupational Health Conference

Hygiene Information System (HIS)

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Kennedy Space Center, Cape Canaveral, FL

Comprehensive Health Services, Inc.

Original Mission

- Provide an electronic repository for information collected by Occupational Health Services
- Build interfaces to the data collected to allow Occupational Medicine physicians visibility to exposure data

What is HERS?

- HERS (Health and Environmental Resource System)
- Microsoft Access 97 based database
- Developed to meet the needs of Environmental Health at Kennedy Space Center

What is HIS?

- HIS (Hygiene Information System)
- A management information system created to integrate the existing databases into a tool to meet the current and future needs of Occupational Health Services
- Engineered from the ground up
- SQL Server 8.0
- Web Front End

The Project Team

- Occupational Health
 - Sean Keprta, COTR, NASA
 - Denton Crotchett, CIH, Manager, Occupational Health
- Industrial Hygiene
 - David Rose, CIH, Supervisor, Industrial Hygiene
- Health Physics
 - Dennis Waggett, Radiation Safety Officer
- Environmental Health Laboratory
 - Dawn Fadner, EHL Manager
 - Robert Gillispie, Senior Chemist
- Information Technology
 - Kenneth Freeman, IT Supervisor
 - Gene Yen, Programmer
 - Edward Norris, IT Systems Developer, Comprehensive Health Services, Inc.

How Did We Get Here?

- Installation of the HERS (Health and Environmental Resource System) developed at Kennedy Space Center.

Inherited Assumptions

- One size fits all – All NASA centers operate the same way
- We can make a few modifications and it will work
- We should be all up in running in a few weeks

Expanding Requirements

- Definition of the project
- Unsatisfied requirements
 - Task Tracker
 - Recurring Tasks
 - Sample Collection Process
 - Chain of Custody
 - Reporting Process
 - Quarterly Reports
 - Annual Reports

What Did We Do?

- Performed an inventory of functionality
 - Needed to know what was working and what was broken
- Implemented Data Administration standards
 - Naming conventions
 - Leszynski/Reddick Naming Conventions
 - Module Naming
 - Screen Numbers
 - Report Numbers
- Cleaned up the existing HERS and put into production
- Ceased modifications to the HERS system
- Gathered outstanding requests for enhancements
- Created an IT Steering Committee

Analysis & Design

- Logical Data Modeling
 - Entity discovery, during the implementation of naming standards
 - Developed an understanding of the relationships
 - Validated against the Business Processes and Rules
 - Used Microsoft Visio Enterprise Architect to perform Data Analysis

How Did We Build The System?

- Back-End – SQL Server 8.0
- Front-End – Web Based

Back-End

- Microsoft SQL Server 8.0
- Created an Enterprise (Corporate) database
 - Used to store data that is shared by other systems
- Created the HIS SQL database
 - Imported data from Access using Data Transformation Services
 - Added Audit fields
 - Created History tables and triggers

Front-End

- Internet Explorer Based
 - Minimized training required, most users were already comfortable using Internet Explorer
 - Solved which version of Access was loaded on a workstation
 - Supported by standard workstation loads
 - Solved software component issues, such as different versions of dll's, ocx files.

Tools Used To Create The User Interface

- Microsoft Front Page 2003
 - Created ASP (Active Server Pages)
 - HTML based
 - Code is written using VB (Visual Basic)
 - Very limited use of JAVA

Implementation

- Disparate Data Collections
 - IH records
 - Lab Records
 - Health Physics Records
- Retrospective Data Entry
 - Historical Asbestos Sampling Records
 - Entry of data collected in Word Documents
 - Excel Spreadsheets

Information Technology Customer Support

What's New

What's New

The purpose of this Web site is to enhance the support services we provide to our customers. We've provided a number of resources here to help you report and resolve problems, suggest improvements and learn about our products.

- **06/16/05 KSP - Kelsey Purchasing System - Put into production.**
- 11/1/2004 HIS - Hygiene Information System - Added Schedules and Building Summary Modules.
- 9/30/2004 HIS - Hygiene Information System - Modified the Lab Hood module to allow marking hoods Active/Inactive.
- 9/29/2004 HIS - Hygiene Information System - Added TLD Badges and Exposure Records.
- 8/24/2004 KSIT - Kelsey Seybold IT Customer Support - The System Login tab has been added to this menu.
- 8/24/2004 DARS - JSC Dispensary System has entered user acceptance testing.
- [more ...](#)

Top Downloads

Technical Support Information

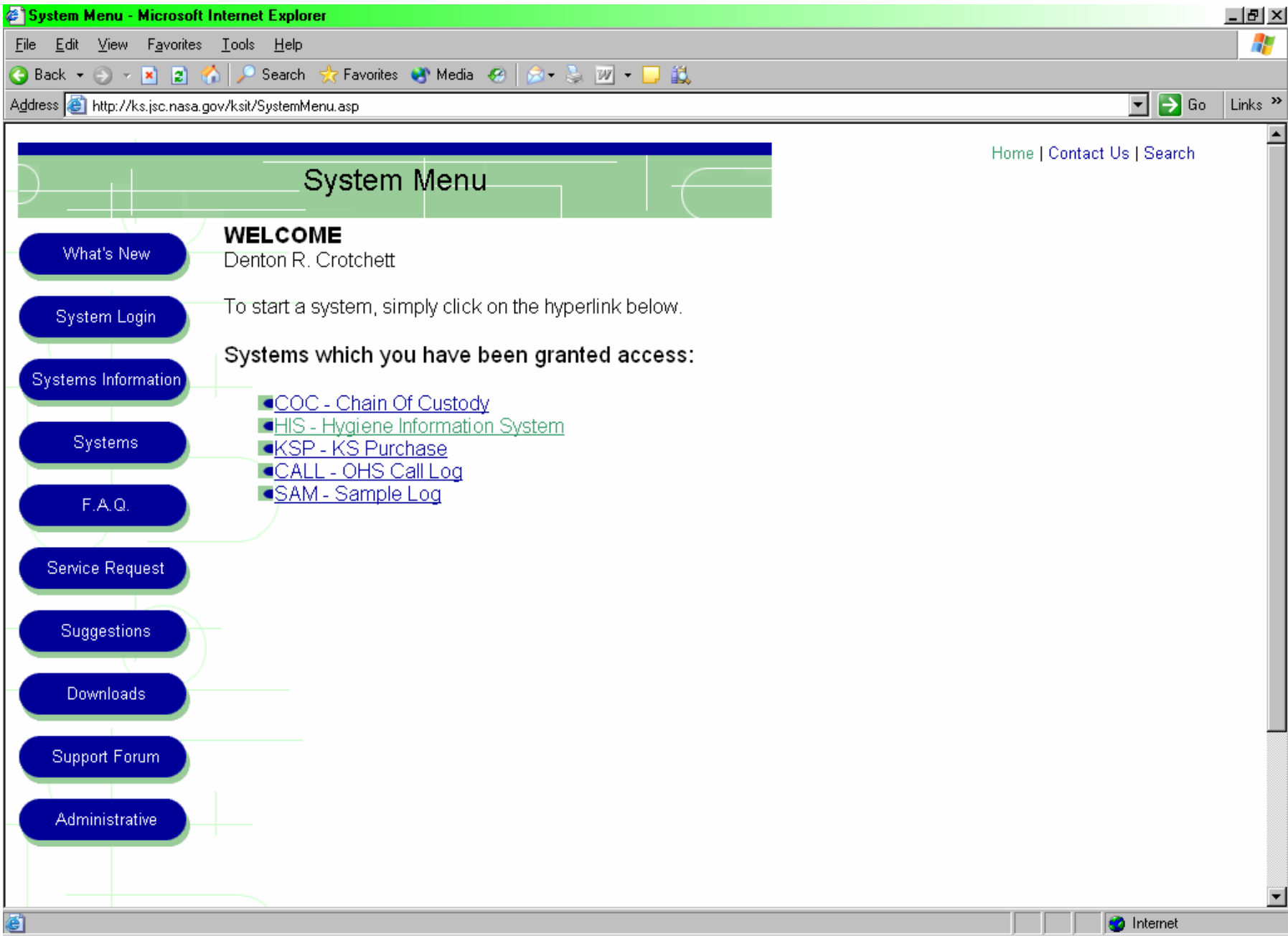
Technical support is offered Monday - Friday from 8 a.m. to 5 p.m. (CST).

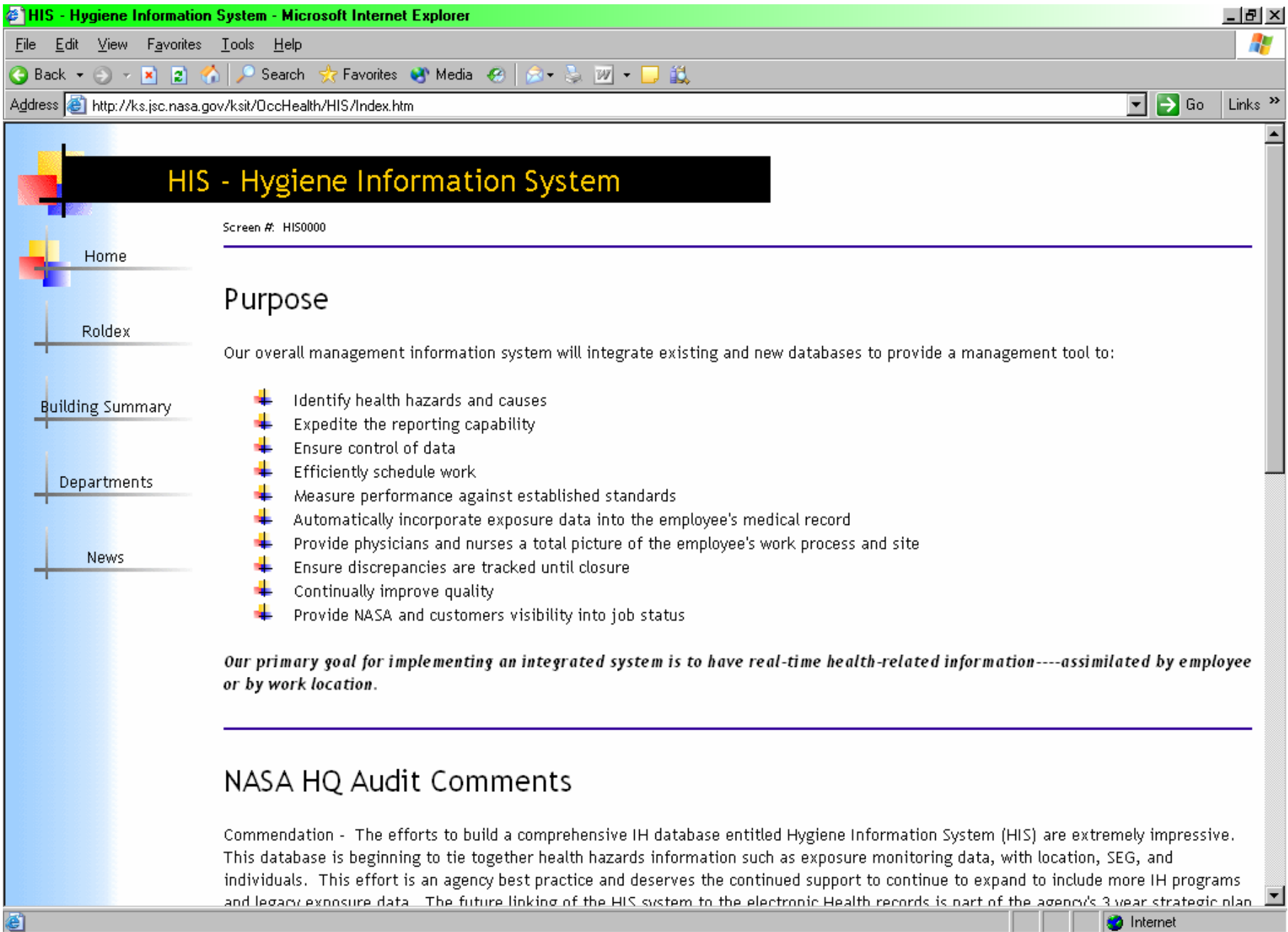
Phone : (281) 483-6728

E-Mail : [Kelsey IT Support](#)

Systems the we support

- HIS - Hygiene Information System
- COC - Electronic Chain-Of-Custody
- SAM - Sample Log Book
- [more ...](#)





Roldex - Microsoft Internet Explorer

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Roldex

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J - Jo	Jp - Jz	K - Ki	Kj - Kz	L - Le	Lf - Lz	M - Mc	Md - Mz
N	O	P - Pe	Pf - Pz	Q	R - Ri	Rj - Rz	S - Sh
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Y	Z						

[[Home](#)]

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Done Internet

Kelsey-Seybold Corporate Person Roldex - Microsoft Internet Explorer

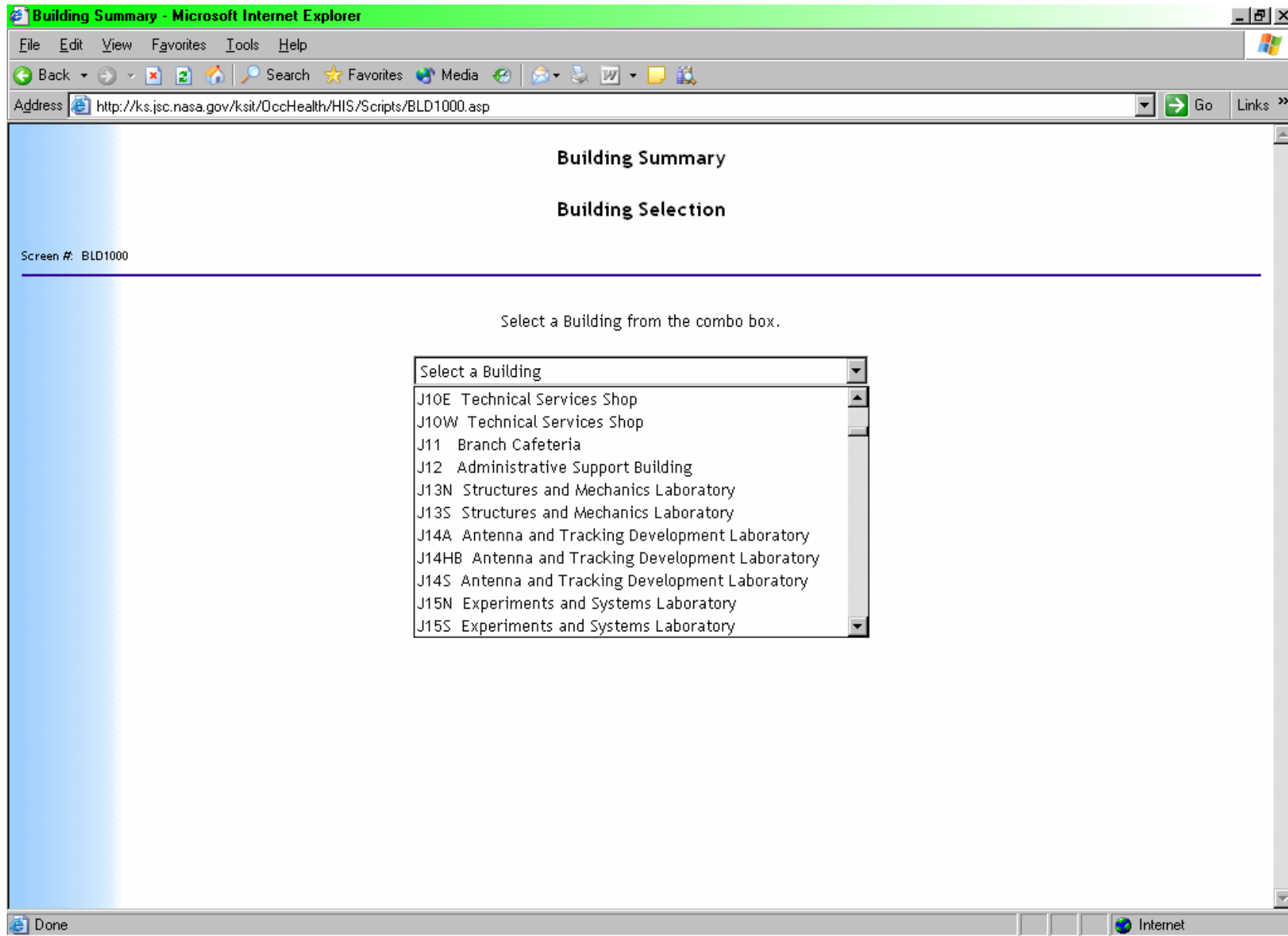
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22619	Crossley, George	E-mail:	Office Phone: (281) 337 - 7320	Mail Code: c79	learn more about this person
1893	Croston, Ron	E-mail:	Office Phone: (281) 483 - 1123	Mail Code: SL/CRO	learn more about this person
53887	Croston, Ronald C.	E-mail:	Office Phone: (281) 483 - 0000	Mail Code: (TBD)	learn more about this person
	<p>Crotchett, Denton R. E-mail: denton.r.crotchett1@jsc.nasa.gov Office Phone: (281) 483 - 6727 Mail Code: SD33 learn more about this person</p>				
1895	Crotts, Linda S.	E-mail: linda.s.crotts@nasa.gov	Office Phone: (281) 244 - 7450	Mail Code: LF231	learn more about this person
26774	Crouch, Dave	E-mail:	Office Phone: (281) 483 - 0000	Mail Code: A90	learn more about this person
	<p>Crouch, Roger K. E-mail: Office Phone: (281) 483 - 0000 Mail Code: (TBD) learn more about this person</p>				
30541	Croucher, Mike	E-mail:	Office Phone: (281) 483 - 0000	Mail Code: B31D30	learn more about this person
10271	Croughn, Lindsay	E-mail: lindsay.croughn1@jsc.nasa.gov	Office Phone: (281) 483 - 5473	Mail Code: DT35	learn more about this person
28096	Crounse, Rebecca L.	E-mail:	Office Phone: (281) 483 - 0000	Mail Code: (TBD)	learn more about this person
10272	Crouse, Katherine	E-mail: katherine.crouse1@jsc.nasa.gov	Office Phone: (281) 483 - 6220	Mail Code: AH2	learn more about this person
19742	Crouse, Kenneth	E-mail:	Office Phone: (281) 483 - 2040	Mail Code: ER2	learn more about this person
	<p>Crow, Bobby S. E-mail: bobby.s.crow@nasa.gov Office Phone: (281) 483 - 2350 Mail Code: JA141 learn more about this person</p>				
44703	Crow, Gary	E-mail:	Office Phone: (281) 483 - 0000	Mail Code: GT	learn more about this person
1897	Crow, James R.	E-mail:	Office Phone: (281) 483 - 1618	Mail Code: EV	learn more about this person
1898	Crow, Jason G.	E-mail:	Office Phone: (281) 244 - 8521	Mail Code: DF9/USA	learn more about this person
34667	Crow, Linda S.	E-mail:	Office Phone: (281) 483 - 0000	Mail Code: C83	learn more about this person

Internet



Building Detail - Microsoft Internet Explorer

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Address http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/BLD1100.asp?Building_Id=44&Building_Code=J24%20&Building_Name=Central%20Heating%20and%20Cooling%20Plant Go Links >>

Building Summary

J24 - Central Heating and Cooling Plant

Screen #: BLD1100

Findings and Recommendations

Legend (Red = Entered into HATS / Yellow = Status Unknown / Green = Implemented)

Finding	Date	Hygienist	Recommendation	Date	Hygienist	IH Report	Follow-up	Date	Hygienist
No health hazards were identified at the time of inspection.	7/20/2004	Breland, Jennifer	(None)	10/8/2004	Breland, Jennifer	<u>IH-04-201</u>	(None)	258 Days Since Recommendation	(TBD), (TBD)

Description of Operations

Source: IH-04-201 Author: Breland Revision Date: 10/8/2004

Building 24 is the Central Heating and Cooling Facility for JSC. Activities in the building are primarily for the operation and maintenance of the heating and cooling equipment. Various chemicals are used in the facility for water treatment. Some large quantity use occurs. Emergency eyewashes are available in the building. The building is a hazardous area and is labeled as such at main entrances. Hearing protection is available for workers and visitors. Small operator control rooms are located on the first floor for operators to isolate themselves from the noise. The NASA/JSC utility tunnel system can be accessed through the building.

A small chemistry lab is located at the southeast corner of the building (Room 101). The lab has an exhaust ventilation hood that is current in flow testing and labeling, used by DynCorp/Lynx personnel to mix chemicals for the water testing. An eyewash station is attached to the sink in the laboratory.

A small machine shop area is located at the north end of the building and contains a drill press, a grinder and oxy/acetylene welding equipment.

Internet

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Address http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/BLD1100.asp?Building_Id=44&Building_Code=J24%20&Building_Name=Central%20Heating%20and%20Cooling%20Plant Go Links >>

Additional Information

- [Alarms](#)
- [Confined Spaces](#)
- [Job Processes](#)
- [Lab Hoods](#)
- [Noise Hazard Areas](#)
- [Radiation - Ionizing](#)
- [Radiation - Non-Ionizing](#)
- [Samples](#)
- [Similar Exposure Groups](#)

Similar Exposure Groups

Non-Hearing Conservation Program

Similar Exposure Group	Work Area Supervisor	Health Hazards	Personal Protective Equipment	Tasks	Task Frequency
(Unassigned)	(TBD), (TBD) (TBD)				
Energy Management	Debra Victoria	possible exposure to		Man the control room on the second floor of Building 24. They monitor all computerized site equipment, such as air handlers, water and steam	

Internet

Building Detail - Microsoft Internet Explorer

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Address http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/BLD1100.asp?Building_Id=44&Building_Code=J24%20&Building_Name=Central%20Heating%20and%20Cooling%20Plant Go Links >>

Similar Exposure Groups

Non-Hearing Conservation Program

Similar Exposure Group	Work Area Supervisor	Health Hazards	Personal Protective Equipment	Tasks	Task Frequency
(Unassigned)	(TBD), (TBD) (TBD)				
Energy Management Control Services Personnel	Dela Victoria, Vincente	possible ergonomic issues	PPE not required in control room	Man the control room on the second floor of Building 24. They monitor all computerized site equipment, such as air handlers, water and indoor and outdoor lights. OCC operators take support calls from Work Control and dispatch personnel when maintenance	Daily
GE Betz personnel	(TBD), (TBD) (TBD)	biocide and amines	chemical gloves, aprons, face shields and safety glasses; chemicals are added to a tank and pumped into the cooling tower	cooling tower water treatment using biocides and amines as a corrosion inhibitor	as needed
Millwrights	Dela Victoria, Vincente	chemical exposure, pump maintenance, noise	lock out and tag procedures, chemical gloves and face shields to protect them against the amine and biocides, leather gloves and safety glasses with other pumps around site	repair and maintain pumps throughout site, includes replacing seals and bearings	as needed
Roving Operators	Dela Victoria, Vincente	compressed air, confined spaces, steam lines, electrical voltages (high and low)	leather gloves and safety glasses, confined space procedures	monitor plumbing and air conditioning systems around site	Daily

Hearing Conservation Program

Internet

Building Detail - Microsoft Internet Explorer

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Job Processes

Job Name	Control Number	Process Date
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Confined Spaces

Id	Room	Location	Description	OSHA Permit	JSC Permit	Space Note
37	(Building)	(TBD)	Boiler feedwater deaerator vessels	True	False	Space may be down graded to a JSC permit confined space if hazards are eliminated before entry
32	(Building)	(TBD)	Boilers	True	False	Space may be down graded to a JSC permit confined space if hazards are eliminated before entry
35	(Building)	(TBD)	Chilled water compression tank	True	False	Space may be down graded to a JSC permit confined space if hazards are eliminated before entry
36	(Building)	(TBD)	Condensate storage tanks	True	False	Space may be down graded to a JSC permit confined space if hazards are eliminated before entry
33	(Building)	(TBD)	Condenser pits	True	False	(TBD)
34	(Building)	West Outside	Diesel storage tanks	True	False	(TBD)

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Alarms

Internet

PCB's

[illegible]

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Address http://ks.jsc.nasa.gov/DocHealth/HIS/Scripts/BLD1100.asp?Building_Id=44&Building_Code=J24%20&Building_Name=Central%20Heating%20and%20Cooling%20Plant Go Links »

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Samples - Cooling Towers - Legionella

Room	Log #	Track	Sample Date	Analyte	Reporting Limit	Result P1	Result P2	Unit
Cooling Tower	021921	021915	3/22/2002 9:20:00 AM	Legionella				
Cooling Tower	023820	023814	9/17/2002 9:37:00 AM	Legionella	2	<	2	CFU
Cooling Tower	025149	025143	12/10/2002 9:31:00 AM	Legionella	1	<	1	CFU
Cooling Tower	031354	031348	1/28/2003 9:13:00 AM	Legionella	1	<	1	mg/L
Cooling Tower	034311	034305	8/26/2003 10:05:00 AM	Legionella	1	<	1	CFU
Cooling Tower	035487	035481	11/18/2003 10:20:00 AM	Legionella	1	<	1	CFU
Cooling Tower	045392	045386	12/2/2004 9:50:00 AM	Legionella	2	<	2	CFU
Cooling Tower	052092	052086	3/17/2005 9:32:00 AM	Legionella	2	<	2	CFU
Cooling Tower	044176	044170	8/31/2004 8:55:00 AM	Legionella	2		2	CFU
Cooling Tower	042078	042072	3/23/2004 8:46:00 AM	Legionella	1	<	1	CFU

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Samples - Lead Based Paint

Room	Room Text	Description	Prefix	Year	Number	Date	Analyst Note	Reporting Limit	Result P1	Result P2	Unit	LIMS Note
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Samples - PCB's

Room	Log #	Track	Sample Date	Analyte	Description	Reporting Limit	Result P1	Result P2	Unit
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Internet

Departments - Microsoft Internet Explorer

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Address <http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/DEP0000.asp> Go Links

Departments

Screen #: DEP0000

Home

Administrative Support

Environ. Health Lab

Environ. Surveillance

Hazard Communication

Industrial Hygiene

Radiological Health

Information Technology

HIS contains data used to support the following Occupational Health Services departments.

Administrative Support

The Administrative Support group provides secretarial and clerical work support for the Occupational Health Services group. Specific duties include: initiating project files and ensuring that they are kept up to date, maintaining the project filing system, producing departmental project reports, composing letters and memoranda from general instructions; sorting and distributing incoming mail to department employees and posts out going mail; answering phones, taking messages, and departmental receptionist.

Environmental Health Laboratory

The Environmental Health Laboratory analyzes samples of suspected health hazards that may be present in water, air, and soil samples from Johnson Space Center and Ellington Field. The Environmental Health Laboratory staff is comprised of experienced, analytical chemists and technicians.

Environmental Surveillance

Environmental Surveillance monitors routine and non-routine releases to the environment. Areas which are monitored include; ground water, potable water, chemical spills, pcb inventories, asbestos monitoring, lead paint abatement, and indoor air quality surveys.

Hazard Communications and Training

Hazard Communication Standard 29CFR 1910.1200 drives the requirements for hazardous material tracking and training. The purpose of this standard is to establish uniform requirements to ensure that all employees are informed of the hazards of all chemical with which they work.

Information Technology

Provides support for all of the departments in SD32 Occupational Health.

Industrial Hygiene

Internet

Industrial Hygiene Reports - Microsoft Internet Explorer

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Address <http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/RIH0000.asp> Go Links >>

Industrial Hygiene

Screen #: RIH0000

Home

Up

IH Staff

Emergency Response

Sample Log

Schedules

ISO Documentation

Instruments

Facility Inspections

Industrial Hygiene is the key element in ensuring that employees work in a safe and healthy environment. Industrial Hygiene is the profession that plans and executes tasks to recognize, evaluate, and control workplace hazards. These hazards are primarily related to chemical and physical agents in the environment. Industrial Hygienists must work closely with medical personnel, safety professionals, supervisors, facility personnel, and employees. Of major importance is the coordination with occupational medicine to provide a complete approach to protecting the health of employees.

Useful Links:

- [29 CFR \(Table of Contents\)](#)
- [American Conference of Governmental Industrial Hygienists \(ACGIH\)](#)
- [American Lung Association](#)
- [Center for Disease Control \(CDC\) Diseases Information Page](#)
- [Environmental Protection Agency \(EPA\)](#)
- [National Institute for Occupational Safety and Health \(NIOSH\)](#)
- [National Institutes of Health \(NIH\)](#)
- [OSHA Standards Search](#)
- [The Rocky Mountain Center for Occupational and Environmental Health](#)
- [World Health Organization \(WHO\)](#)

NASA HQ Audit Comments

Recognition - Both the IH policy and the internal IH work procedures are a strength of the IH program. [JPG 1700.1](#) is a well designed and written policy document that has been recognized as a H&S policy document that is written in a format that is user friendly and easy to

Internet

Industrial Hygiene Reports - Microsoft Internet Explorer

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Address <http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/RIH0000.asp> Go Links >>

Emergency Response

Sample Log

Schedules

ISO Documentation

Instruments

Facility Inspections

Exposure Monitoring

Protection Programs

Health Hazard Complain

29 CFR (Table of Contents)

American Conference of Governmental Industrial Hygienists (ACGIH)

American Lung Association

Center for Disease Control (CDC) Diseases Information Page

Environmental Protection Agency (EPA)

National Institute for Occupational Safety and Health (NIOSH)

National Institutes of Health (NIH)

OSHA Standards Search

The Rocky Mountain Center for Occupational and Environmental Health

World Health Organization (WHO)

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Recognition - An Industrial Hygiene department often needs to work closely with both the Safety and Environmental Management Departments to provide an effective EH&S program at a NASA Center. There were many signs and indications of the JSC IH group working closely and effectively with both the JSC Safety and Environmental groups. This was evidenced by their joint walkthrough efforts, copying safety on IH evaluation reports, chemical management improvement committee, involvement with potable water issues, etc. These strong working relationships help ensure that ES&H risks and liabilities are being effectively managed. February 2005.

Opportunity for Improvement - [JPG 1700.1 \(rev. 7/2002\)](#) is currently lacking appropriate NASA OH related references. This involves the absence of [NPR 1800.1 Occupational Health Program Requirements \(10/02\)](#). The internal IH procedure documents also did not reference [NPR 1800.1](#) or the OH NPDs; [1800.2A](#), [1810.2A](#) (Editor's note: [1810.2A](#) was not found, [1810.2B](#)) and [1820.1B](#). Recommendation - All the current Occupational Health NPDs and NPRs should be reviewed and referenced as applicable in all IH related policy and procedure documents. It is especially important in the EH program areas specifically addressed in Chapter 4 of this NPR such as ergonomic, exposure assessments, radiological health, and environmental sanitation. February 2005.

<http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/LOG1000.asp> Internet

IH Staff - Microsoft Internet Explorer

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Address <http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/IND0000.asp> Go Links >>

IH Staff

Screen #: IND0000

Home

Up

David Rose

Jennifer Breland


Kimberly Hubenak


Mike Foley

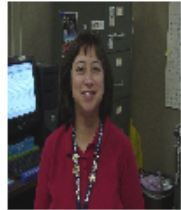
Jeff Reichert


Linda Steffens

Personnel

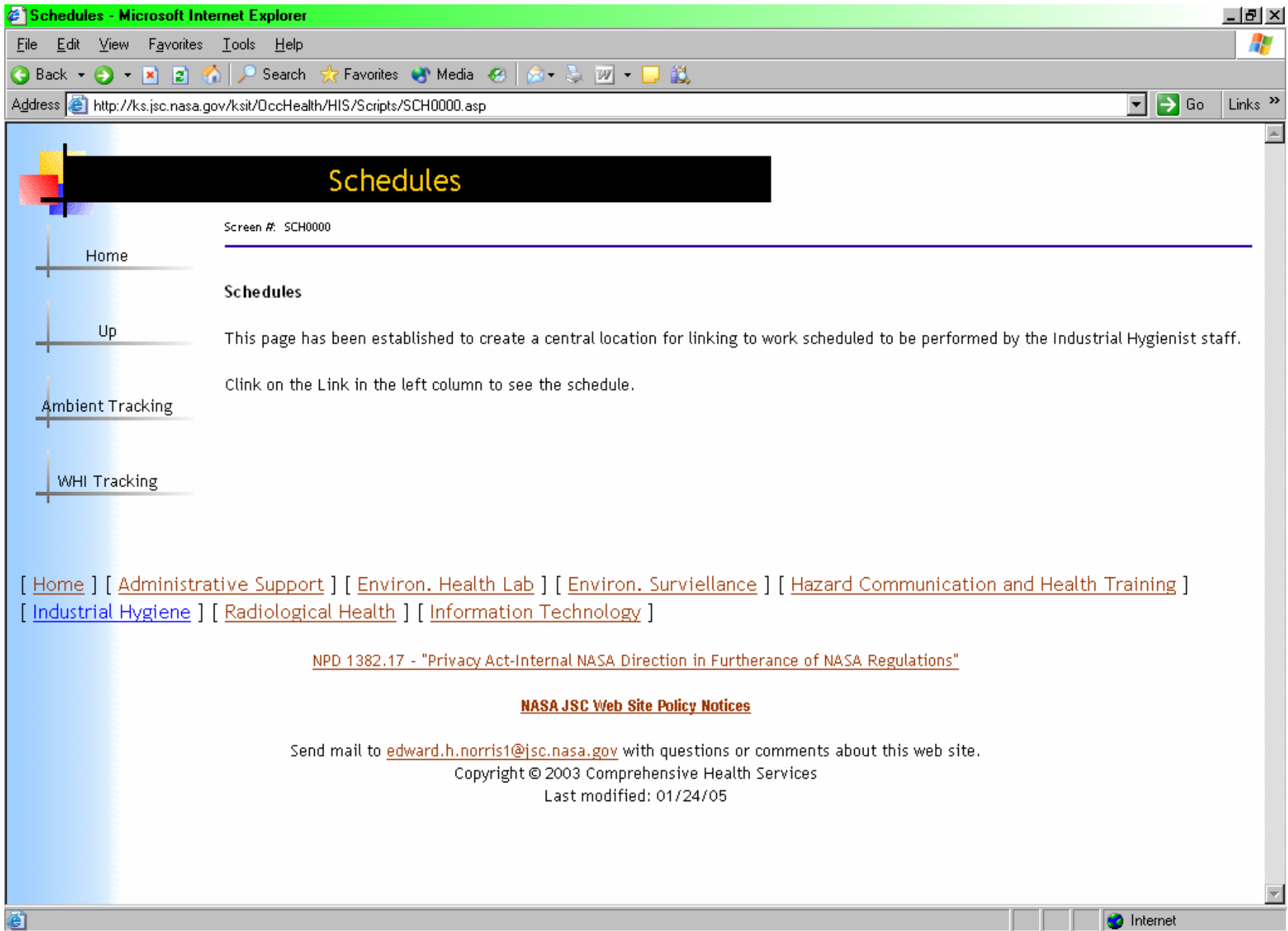

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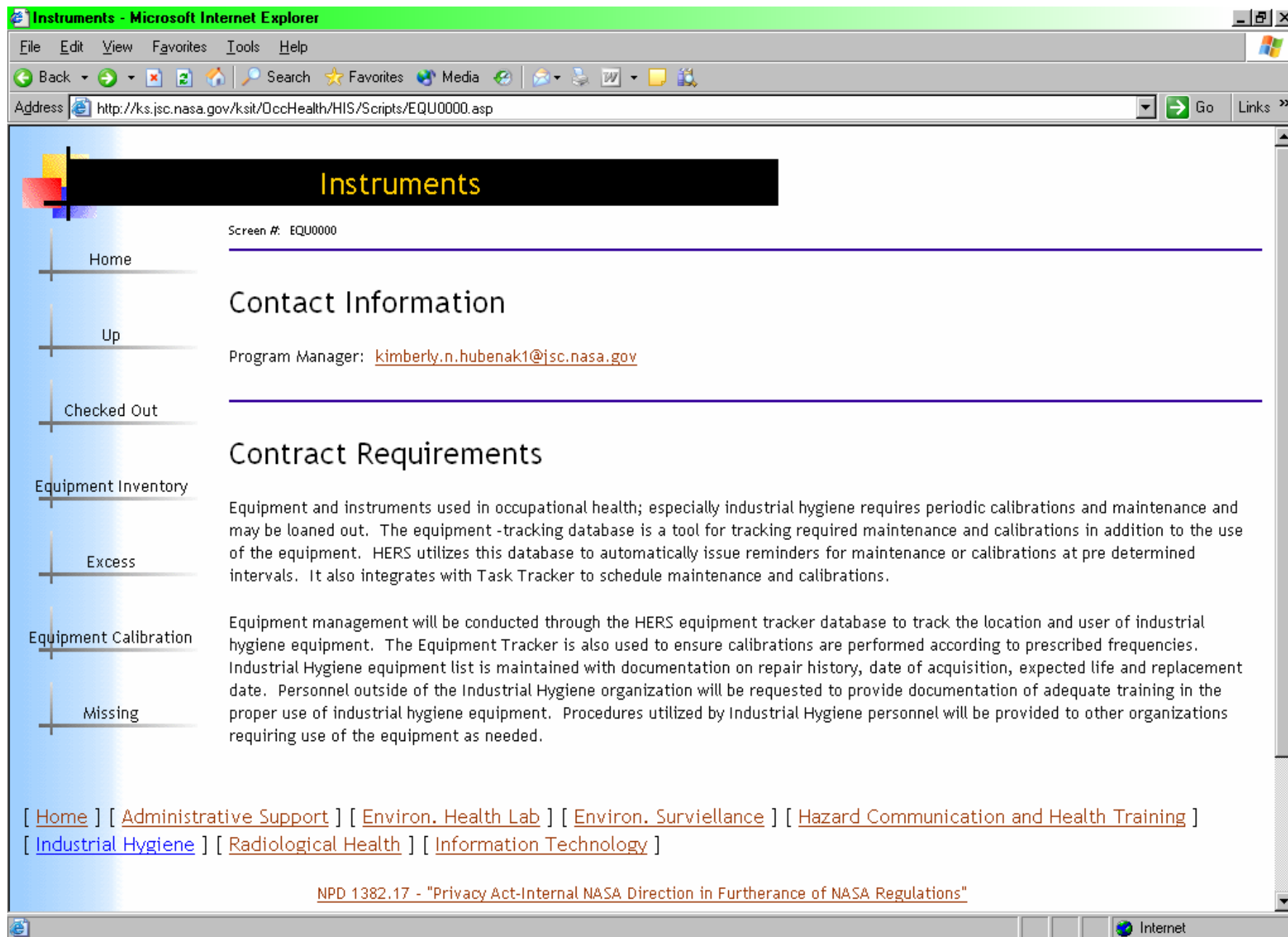

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Internet





Facility Inspections - Microsoft Internet Explorer

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Address http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/FAC0000.asp

Facility Inspections

Screen #: FAC0000

- Home
- Up
- Food Service Facilities
- Pesticide Control Measu
- Annual Workplace Inspe
- Child Care Inspections
- Facility Design Review

Contact Information

Program Manager: Divided based on type of inspection.

Contract Requirements

Facility inspections must be performed annually to identify hazards or potential hazards. In section 3.1 we discuss the importance of the inspections and how we will use them to proactively identify hazards at JSC. This database contains a listing of specific inspection areas that are entered upon completion. Findings are noted and discrepancies are linked to the discrepancy reporting database. If testing or monitoring is required, it is noted in the discrepancy and is linked to the Task Tracker to schedule the testing. The database interfaces with other databases to provide information on chemicals present, previous testing or monitoring, asbestos, lead or other hazards present, complaints, injuries/illnesses, ventilation systems and all other available information. The report for each facility will include these findings and this will be available online as required in DRD 11.

Useful Links

[Standard Operating Procedures](#)

[[Home](#)] [[Administrative Support](#)] [[Environ. Health Lab](#)] [[Environ. Surveillance](#)] [[Hazard Communication and Health Training](#)]
[[Industrial Hygiene](#)] [[Radiological Health](#)] [[Information Technology](#)]

Internet

Exposure Monitoring - Microsoft Internet Explorer

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Exposure Monitoring

Screen #: RIH2000

Home

Up

Exposure Assessment

Noise

Chemical

Similar Exposure Groups

Asbestos

Lead

One of the most important objectives of any Industrial Hygiene program is to accurately assess occupational exposures to employees. This section contains links to data collected by the Occupational Health Services.

NASA HQ Audit Comments

Opportunity for Improvement - Currently the contractor IH office develops an annual OH Exposure Sampling Strategy plan. This plan describes in a general sense what the IH sampling/evaluation priorities are for the year. But this plan does not attempt to prioritize the identified evaluations. Recommendation - It is recommended that all identified evaluations be prioritized based on the level of the hazard such as toxicity, frequency, duration, etc. This will help ensure that the areas of greatest IH risk are evaluated first. February 2005.

[[Home](#)] [[Administrative Support](#)] [[Environ. Health Lab](#)] [[Environ. Surveillance](#)] [[Hazard Communication and Health Training](#)]

Internet

Similar Exposure Groups - Microsoft Internet Explorer

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Similar Exposure Groups

Screen #: RIH2400

- Home
- Up
- SEG Listing
- Employer

Contact Information

Program Manager: jeffery.w.reichert1@jsc.nasa.gov

NASA HQ Audit Comments

Commendation - The ongoing effort to perform comprehensive exposure assessment and characterize similar exposure groups (SEGs) at JSC, ELF, and SCT is top notch. There has been significant progress since our last visit in 2003 on this effort. This ongoing effort will result in a more complete and comprehensive understanding of all health hazards in the workplace at JSC that will greatly reduce the overall risk of occupational injury and illness. February 2005.

Contract Requirements

Need to research.

Per Group Discussion.

I. Summary Information

Internet

Hazard Communication and Health Training - Microsoft Internet Explorer

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Address <http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/HAZ0000.asp> Go Links >>

Hazard Communication and Health Training

Screen #: HAZ0000

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- HC Staff
- Ergonomics
- Training

Hazard Communication Standard 29CFR 1910.1200 drives the requirements for hazardous material tracking and training. The purpose of this standard is to establish uniform requirements to ensure that all employees are informed of the hazards of all chemical with which they work.

- Hazard Communication & First Responder Awareness Level Training**
Conduct training on working safely around hazardous materials and emergency response (awareness level) for new employees as well as refresher training for other employees. ([29 CFR 1910.1200](#); [29 CFR 1910.120](#))
- Hazardous Materials Inventory**
Compile and maintain a listing of all hazardous materials used at JSC and Ellington Field (EF) and produce data for EPA SARA Reporting.
- Material Safety Data Sheets (MSDS)**
Maintain central repository of MSDS for all hazardous materials used at JSC, EF, and Sonny Carter Training Facility (SCTF). Provide data to employees, safety, health, and emergency response personnel as needed. Request MSDS from suppliers as required. [JSC MSDS Request Form \(JF277\)](#)
- Ergonomics**
Conduct training of employees on proper computer workstation design and setup to prevent cumulative trauma disorders such as carpal tunnel syndrome. Perform evaluations of work areas for control of repetitive motion and materials handling illness. Evaluate workstation design for recommendations for control of repetitive motion problems. (OSHA CPL 2.78, Standard Proposed)
- Bloodborne Pathogens**
Conduct training of employees on working safely around infectious diseases such as AIDS and the Hepatitis B Virus. Maintain registry of employees in program, evaluate potential exposure pathways and controls, and investigate exposure incidents. ([29 CFR 1910.1030](#))
- Lead**
Conduct training for employees with potential lead exposure while on-the-job. ([29 CFR 1910.1025](#); [29 CFR 1926.62](#))
- Hearing Conservation**
Conduct training course for employees with potential exposure to noise levels above OSHA established limits. ([29 CFR 1910.95](#); [29 CFR 1910.120](#))

Internet

Training - Microsoft Internet Explorer

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Address <http://ks.jsc.nasa.gov/ksit/OccHealth/HIS/Scripts/TRN0000.asp> Go Links >>

Training

Screen #: TRN0000

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Course Listing

Internal occupational health professionals require specialized training. This database is a tracking tool for tracking the training, certifications and registrations and prompts the Task Tracker when an individual needs annual training or when a certificate will expire.

Training Database

Training is tracked on the training database and is written in Access. Specific courses which are tracked with dates and attendees include:

- HazCom - Instructor lead classes and Computer Based Training
- Bloodborne Pathogens
- Computer Ergonomics
- Occupation Ergonomics/Back Safety
- Personal Protective Equipment
- Hearing Conservation
- Got the Squeeze
- CPR

Information can be queried by name, company, mail code and date and will interface with HERS and CMIS.

[\[Home \]](#) [\[Administrative Support \]](#) [\[Environ. Health Lab \]](#) [\[Environ. Surveillance \]](#) [\[Hazard Communication and Health Training \]](#)
[\[Industrial Hygiene \]](#) [\[Radiological Health \]](#) [\[Information Technology \]](#)

NPD 1382.17 - "Privacy Act-Internal NASA Direction in Furtherance of NASA Regulations"

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Foundation For The Future

- Where Do We Need To Grow?
 - Integration with the EHR (Electronic Health Record) system
 - Improvement of the Industrial Hygiene to Environmental Health Laboratory interfaces
- Development of Future Interfaces
 - Facilities
 - Ability to link to Master tables, Building/Room changes
 - FM's able to view data concerning the buildings they monitor
 - Ability to access reports online
 - Human Resources / Contractors / Personnel
 - Improved communication of personnel changes
 - Material Safety Data Sheets
 - Contains the master data for chemicals used on site
 - Respiratory Protection
 - Ensure that the proper PPEs are being used
 - Training Records
 - Ensure that required training has been completed
 - Ergonomic Evaluations
 - Hearing Conservation Program
 - Safety / JHA's / Similar Exposure Groups
 - Development of Employee Data Center
 - Employees able to access records concerning their exposures